



MYAT, INC. Broadcast Transmission Line Systems, Filters & Combiners
 360 Franklin Turnpike, Mahwah, NJ 07430

Phone (201) 684-0100
 Fax (201) 684-0104

4 1/16" 50 Ohm Rigid Coaxial Transmission Line, TV Ratings and Efficiency in Percent

CH #	Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	250 ft	500 ft	750 ft	1000 ft	1250 ft	1500 ft	1750 ft	2000 ft
2	54	0.054	113.030	96.93	93.96	91.07	88.28	85.57	82.94	80.40	77.93
3	60	0.057	107.230	96.77	93.64	90.61	87.68	84.85	82.11	79.45	76.88
4	66	0.060	102.240	96.61	93.34	90.18	87.12	84.17	81.32	78.56	75.90
5	76	0.064	95.276	96.37	92.87	89.50	86.25	83.12	80.10	77.19	74.39
6	82	0.067	91.724	96.23	92.60	89.11	85.76	82.52	79.41	76.42	73.54
7	174	0.097	62.968	94.56	89.41	84.55	79.94	75.59	71.48	67.59	63.91
8	180	0.099	61.909	94.47	89.24	84.30	79.64	75.23	71.07	67.14	63.42
9	186	0.101	60.903	94.38	89.07	84.07	79.34	74.88	70.67	66.70	62.95
10	192	0.102	59.943	94.29	88.91	83.83	79.05	74.53	70.28	66.27	62.48
11	198	0.104	59.028	94.21	88.75	83.60	78.76	74.20	69.90	65.85	62.03
12	204	0.105	58.154	94.12	88.59	83.38	78.48	73.86	69.52	65.43	61.59
13	210	0.107	57.317	94.04	88.43	83.16	78.20	73.54	69.15	65.03	61.15
14	470	0.160	38.313	91.21	83.20	75.89	69.22	63.14	57.59	52.53	47.91
15	476	0.161	38.070	91.16	83.10	75.76	69.06	62.95	57.39	52.32	47.69
16	482	0.162	37.833	91.11	83.00	75.62	68.90	62.77	57.19	52.10	47.47
17	488	0.163	37.599	91.05	82.91	75.49	68.74	62.59	56.99	51.89	47.25
18	494	0.164	37.370	91.00	82.81	75.36	68.58	62.41	56.79	51.68	47.03
19	500	0.165	37.146	90.95	82.72	75.23	68.42	62.23	56.60	51.48	46.82
20	506	0.166	36.925	90.90	82.63	75.11	68.27	62.06	56.41	51.27	46.61
21	512	0.167	36.708	90.85	82.53	74.98	68.12	61.88	56.22	51.07	46.40
22	518	0.168	36.494	90.80	82.44	74.85	67.96	61.71	56.03	50.87	46.19
23	524	0.169	36.285	90.75	82.35	74.73	67.81	61.54	55.84	50.67	45.98
24	530	0.170	36.079	90.70	82.26	74.60	67.66	61.37	55.66	50.48	45.78
25	536	0.171	35.876	90.65	82.17	74.48	67.51	61.20	55.47	50.28	45.58
26	542	0.172	35.677	90.60	82.08	74.36	67.36	61.03	55.29	50.09	45.38
27	548	0.173	35.481	90.55	81.99	74.24	67.22	60.86	55.11	49.90	45.18
28	554	0.173	35.289	90.50	81.90	74.12	67.07	60.70	54.93	49.71	44.99
29	560	0.174	35.099	90.45	81.81	74.00	66.93	60.54	54.75	49.52	44.79
30	566	0.175	34.913	90.40	81.72	73.88	66.78	60.37	54.58	49.34	44.60
31	572	0.176	34.729	90.35	81.63	73.76	66.64	60.21	54.40	49.15	44.41
32	578	0.177	34.548	90.30	81.55	73.64	66.50	60.05	54.23	48.97	44.22
33	584	0.178	34.370	90.26	81.46	73.52	66.36	59.89	54.06	48.79	44.04
34	590	0.179	34.195	90.21	81.38	73.41	66.22	59.74	53.89	48.61	43.85
35	596	0.180	34.023	90.16	81.29	73.29	66.08	59.58	53.72	48.43	43.67
36	602	0.181	33.853	90.11	81.21	73.18	65.95	59.43	53.55	48.26	43.49

Standard Conditions:

Attenuation: Ambient Temperature 20°C (68°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0, 0KW

Average Power: Ambient Temperature 40°C (104°F), Inner Conductor Temperature 100°C (212°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0